



## “Summer school 2024 on respiratory viruses laboratory surveillance methods and reporting”

### AGENDA

<b>Wednesday 26<sup>th</sup> June – Day 1</b>	
<b>Venue: Conference Room, Isla Brown Hotel</b>	
19:00	Welcome <b>Dr. E. Angelakis</b> , Clinical Microbiologist, Supervisor of Influenza NRL of S. Greece, Research Director and Head of the Diagnostic Department of the Hellenic Pasteur Institute (HPI)
19:05	Overview of the Diagnostics Department and Public Health Laboratories of HPI <b>Dr. E. Angelakis</b> , Clinical Microbiologist, Supervisor of Influenza NRL of S. Greece, Research Director and Head of the Diagnostic Department of the HPI
19:20	Opening Lecture “Stress and Infectious Diseases” <b>Dr. G. Chrousos</b> , President of HPI, Professor of Pediatrics and Endocrinology, National and Kapodistrian University of Athens
20:00	Participants Session Individual Presentations
21:00	Buffet dinner at the hotel

<b>Thursday 27<sup>th</sup> June – Day 2</b>	
<b>Venue: Hellenic Pasteur Institute</b>	
08:30	Departure to Hellenic Pasteur Institute
10:00-12:00	Lectures
	The AURORAE project - Influenza NRL of S. Greece <b>Dr. M. Emmanouil</b> , Research Staff Scientist, Technical Supervisor of Influenza NRL of S. Greece, HPI
	Respiratory clinical samples extraction methods <b>Dr. M. Emmanouil</b> , Research Staff Scientist, Technical Supervisor of Influenza NRL of S. Greece, HPI
	Introduction to Real-Time PCR <b>Dr. E. Horefti</b> , Research Staff Scientist, Quality Assurance Manager of the Diagnostic Department, HPI
	Detection of Respiratory Viruses with MonoPlex and MultiPlex Real-time PCR Assays <b>Dr. M. Evangelidou</b> , Research Scientist, Member of the Influenza NRL of S. Greece, Diagnostic Department and Public Health Laboratories, HPI

12:00-13:00	Lunch break
13:00-15:00	Wet-Lab Work Monoplex & Multiplex Real time PCR implementation
15:00-15:30	Coffee break
15:30-16:00	Assay Performance Comparisons
16:00	Departure to Hotel
	Buffet dinner at the hotel (open from 19:00 to 21:00)
21:00	"Cocktails by the pool" (pool bar at rooftop)

### Friday 28<sup>th</sup> June – Day 3


#### Venue: Conference Room, Isla Brown Hotel


09:00-10:30	Lectures
09:00-09:45	ECDC on Public Health Actors – Surveillance objectives <b>Eeva Broberg</b> , Associate Professor and principal expert in respiratory viruses at the European Centre for Disease Prevention and Control (ECDC)
09:45-10:30	Genetic characterization of Influenza viruses <b>Dr. M. Evangelidou</b> , Research Scientist, Member of the Influenza NRL of S. Greece, Diagnostic Department and Public Health Laboratories, HPI
10:30-11:00	Coffee break
11:00-11:45	ECDC use of surveillance data and reporting to TESSy <b>Eeva Broberg</b> , Associate Professor and principal expert in respiratory viruses at the European Centre for Disease Prevention and Control (ECDC)
11:45-13:30	Practical: Sequence Alignment and use of Reference Sequences <b>Dr. M. Evangelidou</b> , Research Scientist, Member of the Influenza NRL of S. Greece, Diagnostic Department and Public Health Laboratories, HPI
13:30-14:30	Lunch break
14:30-15:30	Practical: MEGA Phylogenetic Analysis tool <b>Dr. M. Evangelidou</b> , Research Scientist, Member of the Influenza NRL of S. Greece, Diagnostic Department and Public Health Laboratories, HPI
15:30-16:00	Coffee break
16:00-18:00	Keynote Lectures
	Influenza Vaccines <b>Dr. M. Exindari</b> , Associate Professor of Medical Microbiology, Member of the Influenza NRL of N. Greece, Aristotle University of Thessaloniki
	Influenza Virus Propagation in Embryonated Chicken Eggs (video) <b>Dr. G. Gkioula</b> , Professor of Medical Microbiology, Supervisor of Influenza NRL of N. Greece, Aristotle University of Thessaloniki
	Buffet dinner at the hotel (open from 19:00 to 21:00)

### Saturday 29<sup>th</sup> June – Day 4

Visit to the city of Athens arranged by the HPI organizing team (Acropolis, Acropolis museum, Plaka)

	Buffet dinner at the hotel (open from 19:00 to 21:00)
<b>Sunday 30<sup>th</sup> June – Day 5</b>	
Excursions to historical areas around Corinthia organized by the Isla Brown Hotel (optional, at personal cost)	
	Buffet dinner at the hotel (open from 19:00 to 21:00)

<b>Monday 1<sup>st</sup> July – Day 6</b>	
<b>Venue: Hellenic Pasteur Institute</b>	
08:30	Departure to Hellenic Pasteur Institute
10:00-11:30	Lectures
	Influenza virus and subtyping <b>Dr. M. Emmanouil</b> , Research Staff Scientist, Technical Supervisor of Influenza NRL of S. Greece, HPI
	Validation of Real-time PCR Assays <b>Dr. E. Horefti</b> , Research Staff Scientist, Quality Assurance Manager of the Diagnostic Department, HPI
11:30-12:00	Coffee break
12:00-13:30	Wet-lab Work The “Standard Curve” contest
	
13:30-14:30	Lunch break
14:30-15:30	Keynote Lecture “INSaFLU-TELEVIR: an open web-based bioinformatics suite for viral metagenomic detection and routine genomic surveillance” <b>Dr. V. Borges</b> , Researcher, National institute of health Dr. Ricardo Jorge
15:30-16:00	Analysis of Standard Curves – Winners’ award
16:00	Departure to the Hotel
	Buffet dinner at the hotel (open from 19:00 to 21:00)

<b>Tuesday 2<sup>nd</sup> July – Day 7</b>	
<b>Venue: Hellenic Pasteur Institute</b>	
08:30	Departure to Hellenic Pasteur Institute
10:00-12:00	Dry-Lab - Insaflu bioinformatics tool - Next-Clade (Clade assignment, mutation calling, and sequence quality checks) - Next Strain (Real-time tracking of pathogen evolution) <b>Dr. M. Emmanouil</b> , Research Staff Scientist, Technical Supervisor of Influenza NRL of S. Greece, HPI
	
12:00-12:15	Logistics & Farewell
12:15-13:00	Lunch break
13:00	Departure to the airport